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Environment Team
Chester Road
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06th September 2018

Our reference: **NRW/EPR/02/2018**

Matthew Kelk
Regulatory Officer
Natural Resources Wales
Chester Road
Buckley
CH7 3AJ

Re: Chromium monitoring in treated effluent

Dear Matthew,

Table S3.3 of our permit (EPR/BM3965IA) specifies the following monitoring requirements for discharges from the effluent treatment plants

- TE1 (LCM) – Total chromium 100ug/l
- TE3 (SMC) – Total chromium 500ug/l

In mid-2017 the process chemistry in the surface treatment plants (LCM and SMC) changed from Chromic Acid anodising to Tartaric-Sulphuric Acid anodising

Note 2 of table S3.3 states that once analysis results from the two plants demonstrate that chromium releases have stopped, Airbus may cease monitoring the two emission points TE1 and TE3. It was agreed with Elizabeth Voice that when analysis results showed chromium levels below limit of detection (<3ug/l) for a run of thirteen samples, then we would cease monitoring for chromium in the treatment areas.

Earlier this year we asked if we could cease sampling based on the results we had up to that point (email of 16/05/2018). Unfortunately we did not receive a response.

Please see the attached tables giving our analysis results from the effluent discharge points for 2018 up until now.

- For TE1 (LCM) you will see that we have achieved the agreed requirement with Chromium last being detected on 23/04/2018
- For TE3 (SMC) since 12/02/2018 we have only detected chromium twice. The detected levels were 3.33ug/l (12/03/2018) and 3.25ug/l (15/08/2018), which are only just above the limit of detection (3ug/l) and are below levels that we are detecting in surface water.

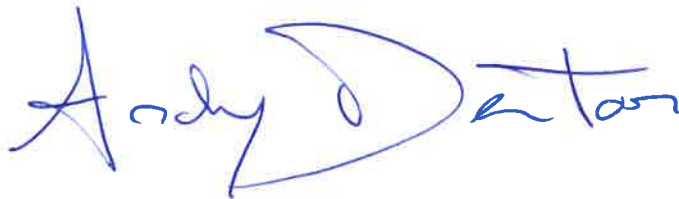
AIRBUS

Despite the TE3 result from 15/08/2018 we consider that Airbus has effectively achieved the agreed NRW requirement and we propose to stop monitoring the trade effluent discharges. Can you confirm that NRW agree to this?

Following your response we will complete improvement condition IC6 of our permit.

We look forward to your response

Regards



Andy DENTON
Environment Officer
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TE1 (LCM)

| Date Sample Taken | Sample Identity | Suspended Solids | pH | Chromium |
|-------------------|-----------------|------------------|------|----------|
| | | NO LIMITS | | 100 ug/l |
| 02/01/2018 | TE1 | No sample | | |
| 08/01/2018 | TE1 | 6.9 | 7.04 | <3 |
| 15/01/2018 | TE1 | <2 | 7.33 | 3.77 |
| 22/01/2018 | TE1 | 4.15 | 7.09 | <3 |
| 01/02/2018 | TE1 | <2 | 7.55 | <3 |
| 05/02/2018 | TE1 | <2 | 7.45 | <3 |
| 12/02/2018 | TE1 | <2 | 7.16 | 4.11 |
| 19/02/2018 | TE1 | <2 | 7.71 | <3 |
| 27/02/2018 | TE1 | No sample | | |
| 05/03/2018 | TE1 | 2.55 | 7.92 | <3 |
| 12/03/2018 | TE1 | 2.45 | 7.24 | <3 |
| 23/03/2018 | TE1 | <2 | 7.32 | <3 |
| 26/03/2018 | TE1 | <2 | 7.61 | <3 |
| 05/04/2018 | TE1 | 2.35 | 7.55 | <3 |
| 09/04/2018 | TE1 | <2 | 7.34 | 7.66 |
| 16/04/2018 | TE1 | <2 | 7.32 | 3.67 |
| 23/04/2018 | TE1 | 15.4 | 7.50 | 6.48 |
| 03/05/2018 | TE1 | <2 | 7.46 | <3 |
| 10/05/2018 | TE1 | <2 | 7.46 | <3 |
| 14/05/2018 | TE1 | <2 | 7.46 | <3 |
| 23/05/2018 | TE1 | <2 | 7.36 | <3 |
| 29/05/2018 | TE1 | <2 | 7.47 | <3 |
| 04/06/2018 | TE1 | <2 | 7.69 | <3 |
| 15/06/2018 | TE1 | 5.75 | 7.45 | <3 |
| 18/06/2018 | TE1 | 2.55 | 7.36 | <3 |
| 25/06/2018 | TE1 | 2.35 | 7.35 | <3 |
| 02/07/2018 | TE1 | No sample | | |
| 11/07/2018 | TE1 | <2 | 7.39 | <3 |
| 18/07/2018 | TE1 | <2 | 7.67 | <3 |
| 23/07/2018 | TE1 | <2 | 7.17 | <3 |
| 30/07/2018 | TE1 | | | |
| 06/08/2018 | TE1 | | | |
| 15/08/2018 | TE1 | No sample | | |
| 20/08/2018 | TE1 | 2.1 | 6.95 | <3 |
| 29/08/2018 | TE1 | 6.3 | 7.41 | <3 |
| 03/09/2018 | TE1 | No sample | | |
| 10/09/2018 | TE1 | | | |
| 17/09/2018 | TE1 | | | |
| 24/09/2018 | TE1 | | | |
| 01/10/2018 | TE1 | | | |
| 08/10/2018 | TE1 | | | |
| 15/10/2018 | TE1 | | | |
| 22/10/2018 | TE1 | | | |
| 29/10/2018 | TE1 | | | |
| 05/11/2018 | TE1 | | | |
| 12/11/2018 | TE1 | | | |
| 19/11/2018 | TE1 | | | |
| 26/11/2018 | TE1 | | | |
| 03/12/2018 | TE1 | | | |
| 10/12/2018 | TE1 | | | |
| 17/12/2018 | TE1 | | | |

TE3 (SMC)

| Date Sample Taken | Sample Identity | Suspended Solids | pH | Chromium |
|-------------------|-----------------|------------------|------|----------|
| | | NO LIMITS | | 500ug/l |
| 02/01/2018 | TE3 | No sample | | |
| 08/01/2018 | TE3 | No sample | | |
| 15/01/2018 | TE3 | <2 | 7.42 | 4.99 |
| 22/01/2018 | TE3 | <2 | 7.64 | 6.88 |
| 01/02/2018 | TE3 | 21.4 | 8.54 | 48.9 |
| 05/02/2018 | TE3 | No sample | | |
| 12/02/2018 | TE3 | <2 | 7.79 | 4.45 |
| 19/02/2018 | TE3 | <2 | 8.49 | <3 |
| 27/02/2018 | TE3 | <2 | 8.02 | <3 |
| 05/03/2018 | TE3 | <2 | 7.92 | <3 |
| 12/03/2018 | TE3 | 11.9 | 8.74 | 3.33 |
| 23/03/2018 | TE3 | No sample | | |
| 26/03/2018 | TE3 | 6.85 | 7.58 | <3 |
| 05/04/2018 | TE3 | <2 | 7.77 | <3 |
| 09/04/2018 | TE3 | <2 | 7.35 | <3 |
| 16/04/2018 | TE3 | <2 | 7.85 | <3 |
| 23/04/2018 | TE3 | No sample | | |
| 03/05/2018 | TE3 | 2.8 | 7.89 | <3 |
| 10/05/2018 | TE3 | No sample | | |
| 14/05/2018 | TE3 | 9.65 | 7.73 | <3 |
| 23/05/2018 | TE3 | 3.75 | 7.7 | <3 |
| 29/05/2018 | TE3 | <2 | 7.85 | <3 |
| 04/06/2018 | TE3 | 8.65 | 7.67 | <3 |
| 15/06/2018 | TE3 | 8.2 | 7.78 | <3 |
| 18/06/2018 | TE3 | <2 | 8.13 | <3 |
| 25/06/2018 | TE3 | No sample | | |
| 02/07/2018 | TE3 | No sample | | |
| 11/07/2018 | TE3 | No sample | | |
| 18/07/2018 | TE3 | 17.7 | 8.52 | <3 |
| 23/07/2018 | TE3 | No sample | | |
| 30/07/2018 | TE3 | | | |
| 06/08/2018 | TE3 | | | |
| 15/08/2018 | TE3 | <2 | 9.36 | 3.25 |
| 20/08/2018 | TE3 | No sample | | |
| 29/08/2018 | TE3 | No sample | | |
| 03/09/2018 | TE3 | | | |
| 10/09/2018 | TE3 | | | |
| 17/09/2018 | TE3 | | | |
| 24/09/2018 | TE3 | | | |
| 01/10/2018 | TE3 | | | |
| 08/10/2018 | TE3 | | | |
| 15/10/2018 | TE3 | | | |
| 22/10/2018 | TE3 | | | |
| 29/10/2018 | TE3 | | | |
| 05/11/2018 | TE3 | | | |
| 12/11/2018 | TE3 | | | |
| 19/11/2018 | TE3 | | | |
| 26/11/2018 | TE3 | | | |
| 03/12/2018 | TE3 | | | |
| 10/12/2018 | TE3 | | | |
| 17/12/2018 | TE2 | | | |
| 24/12/2018 | TE3 | | | |

